

From: [Mullen, Tom](#)
To: [Fuentes, Rene](#)
Cc: [Winiecki, Eric](#); [Freeman, Kevin](#); [Sebesta, Lisa](#)
Subject: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Monday, August 19, 2013 Update
Date: Monday, August 19, 2013 5:56:27 PM

Rene,

On Monday, August 19, 2013, Cascade continued drilling YVD-03 from 98 to 218 feet. General lithology consisted of sandy gravel to 108 ft, silt to 139 ft, silty sand to 148 ft, sand to 168 ft, gravelly sand to 175 ft, sand to 182 ft, sandy silt to 188 ft, silty sand to 197 ft, and basalt bedrock to 218. Water was encountered at 194 feet during drilling and stabilized at 185 feet after rods were tripped out and the borehole sat for 30 minutes. The boring from 218 to 202 feet was backfilled with bentonite chips. The well screen was set from 180 to 200 feet and the filter pack was placed to 176 feet. The bentonite seal was placed to 169 feet before stopping for the day. Well installation activities will resume tomorrow. Cascade will then setup and begin drilling YVD-02

Please let me know if you have any questions.

Thanks

Tom

Thomas F. Mullen, PG | Certified Project Manager / Senior Hydrogeologist | tom.mullen@arcadis-us.com
ARCADIS U.S., Inc. | 695 N. Legacy Ridge Drive, Suite 200 | Liberty Lake, WA, 99019
T. 509.928.3369 | M. 208.755.1094 | F. 509.928.3075
www.arcadis-us.com
ARCADIS, Imagine the result

PG / ID, 931 | CA, 6514 | WY, 792
LG, LHG, LEG / WA, 211

NOTICE: This e-mail and any files transmitted with it are the property of ARCADIS U.S., Inc. and its affiliates. All rights, including without limitation copyright, are reserved. The proprietary information contained in this e-mail message, and any files transmitted with it, is intended for the use of the recipient(s) named above. If the reader of this e-mail is not the intended recipient, you are hereby notified that you have received this e-mail in error and that any review, distribution or copying of this e-mail or any files transmitted with it is strictly prohibited. If you have received this e-mail in error, please notify the sender immediately and delete the original message and any files transmitted. The unauthorized use of this e-mail or any files transmitted with it is prohibited and disclaimed by ARCADIS U.S., Inc. and its affiliates. Nothing herein is intended to constitute the offering or performance of services where otherwise restricted by law.